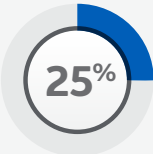Applied Intelligence

X-ray Quality Application

Helps reduce the "hassle factor" of managing your X-ray
Quality Program while increasing accuracy and impact

Challenges

X-ray **reject rates** may be **as high as**[1]

25%

Uneccessary repeated/rejected exams
- Costly
- Unnecessary patient dose
- Inefficient

Can take up to **230 mouse clicks** to access reject data[2]

Burdensome reporting
- Time consuming
- Must do/should do
- Need dedicated staff

Patient positioning is the leading cause of rejects[3]

Technologist training
- Feedback not timely
- Lack of individual data and rejected images
- Difficult to track individual improvement

The Solution

X-ray Quality Application Featuring Repeat/Reject Analytics

Gathers → Compiles → Analyzes → Faclititates positive individual reviews, discussion and training

Outcomes

Lower Repeat/Reject Rate
- Saves on cost
- Saves on time
- Help lower dose

Hassle free reporting
- Automatic
- Daily updates, always ready
- Eliminates manual data gathering
- Data integration with HIS/RIS

Technologist training solved
- Personalized
- Data-driven
- Results focused

"We saw a technologist's rejections trend down from 12% to 3% in a one month period."

Dolores Dimitropoulis,
Clinical Manager Imaging,
Humber River

"We're going to take the data and try to improve things wherever we are faltering — whether it's big or small."

Cheryl Gordon,
Charge Technologist,
Humber River

"Every time I have a rejection, I want to know what caused it and how I can improve."

Adrian Edlund,
Technologist,
Humber River

1. Journal of the American College of Radiology, "Unified Database for Rejected Image Analysis Across Multiple Vendors in Radiography."
2. GE Healthcare, "Using Small Data Analytics for Real-Time Analysis of Radiology Practices" in Unleashing the Power of Small Data in Healthcare Organizations(February 2017), p.4
3. ASRT, Best Practices in Digital Radiography, ASRT White Paper, (2012). Available at: https://www.asrt.org/docs/default-source/whitepapers/asrt12_bstpracdigiradwhp_final.pdf